Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

47—9

Proceedings of the American Academy of Arts and Sciences.

VOL. XLVII. NO. 9. — NOVEMBER, 1911.

CONTRIBUTIONS FROM THE JEFFERSON PHYSICAL LABORATORY, HARVARD UNIVERSITY.

A NEW METHOD OF IMPACT EXCITATION OF UNDAMPED OSCILLATIONS AND THEIR ANALYSIS BY MEANS OF BRAUN TUBE OSCILLOGRAPHS.

BY E. LEON CHAFFEE.

WITH SEVEN PLATES.

(Continued from page 3 of Cover.)

VOLUME 47.

1. HAYES, H. C. — An Investigation of the Errors in Cooling Curves and Methods for Avoiding these Errors; Also a New Form of Crucible. pp. 1–22. 6 pls. May, 1911. 70c.
2. WILLSON, R. W. — Determination of the Altitude of Aeroplanes. pp. 23–43. 2 pls. May, 1911. 55c.
3. DALY, R. A. — The Nature of Volcanic Action. pp. 45–122. 5 pls. June, 1911. $1.15.
4. WARREN, C. H., and PALACHE, C. — The Pegmatites of the Riebeckite-Aegirite Granite of Quincy, Mass., U. S. A.; Their Structure, Minerals, and Origin. pp. 123–168. 3 pls. July, 1911. 90c.
5. RICHARDS, T. W., and KELLEY, G. L. — The Transition Temperatures of Sodium Chromate as Convenient Fixed Points in Thermometry. pp. 169–188. July, 1911. 35c.
6. ROBINSON, B. L. — (I.) On the Classification of Certain *Eupatoricae;* (II.) Revision of the Genus *Barroetea;* (III.) On some hitherto undescribed or misplaced *Compositae.* pp. 189–216. July, 1911. 35c.
7. ESTERLY, C. O. — Calanoid Copepoda from the Bermuda Islands. pp. 217–226. 4 pls. July, 1911. 35c.
8. BABBITT, L. A. — The Von Waltenhofen Phenomenon in Soft Iron Rings. pp. 227–264. 1 pl. November, 1911. 70c.
9. CHAFFEE, E. L — A New Method of Impact Excitation of Undamped Oscillations and their Analysis by means of Braun Tube Oscillographs. pp. 265–312. 7 pls. November, 1911. $1.10.

Proceedings of the American Academy of Arts and Sciences.

VOL. XLVII. No. 9. — NOVEMBER, 1911.

CONTRIBUTIONS FROM THE JEFFERSON PHYSICAL LABORATORY, HARVARD UNIVERSITY.

A NEW METHOD OF IMPACT EXCITATION OF UNDAMPED OSCILLATIONS AND THEIR ANALYSIS BY MEANS OF BRAUN TUBE OSCILLOGRAPHS.

BY E. LEON CHAFFEE.

WITH SEVEN PLATES.